Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/15/2019 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123616	-2	1.80	123664	1.82
Blue	F	SSC	125000	123885	-1	3.48	124641	3.46
Blue	E	FITC	16694	16419	-2	3.70	380	21.51
Blue	D	PE	32792	32039	-3	2.84	707	16.26
Blue	B	PerCP-Cy5-5	44451	43780	-2	4.62	1196	23.32
Blue	A	PE-Cy7	33645	33300	-2	7.22	602	49.05
Red	C	APC	47008	46458	-2	3.07	1795	13.85
Red	A	APC-Cy7	32298	31715	-2	2.90	791	14.44
Violet	B	V450	8961	8713	-3	4.56	482	14.12
Violet	A	V500	32726	31550	-4	4.32	758	11.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20213	3.97	608	-5	N/A	N/A	Pass
Blue	F	SSC	56019	2.92	579	11	N/A	N/A	Pass
Blue	E	FITC	64	72.41	566	3	0.0167	180	Pass
Blue	D	PE	138	57.39	570	4	0.1291	272	Pass
Blue	B	PerCP-Cy5-5	222	56.72	676	5	0.0072	56	Pass
Blue	A	PE-Cy7	112	126.52	731	5	0.0086	26	Pass
Red	C	APC	407	29.83	616	3	0.0178	131	Pass
Red	A	APC-Cy7	195	33.36	588	3	0.0045	1416	Pass
Violet	B	V450	71	70.71	483	-3	0.0542	2947	Pass
Violet	A	V500	108	38.94	492	-4	0.0196	1014	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.15	-31.98	1.09
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	15.87	13.60 - 20.40	N/A	N/A	29.25	29.51	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10337

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments